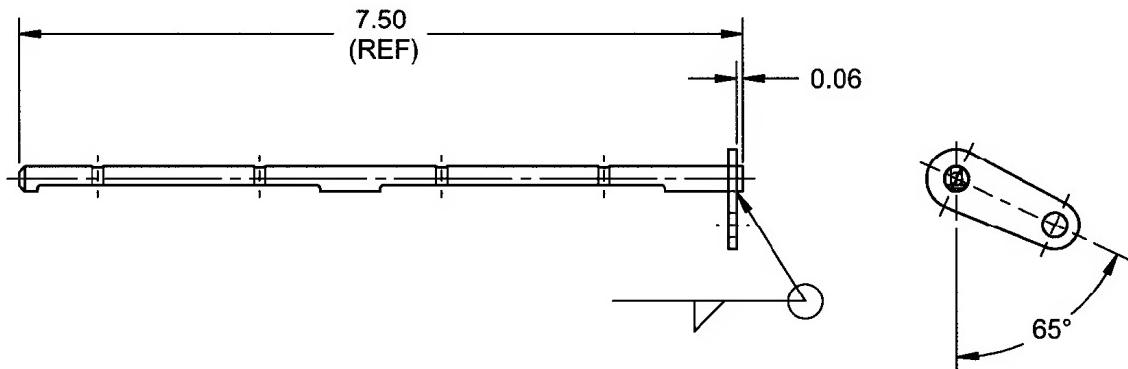
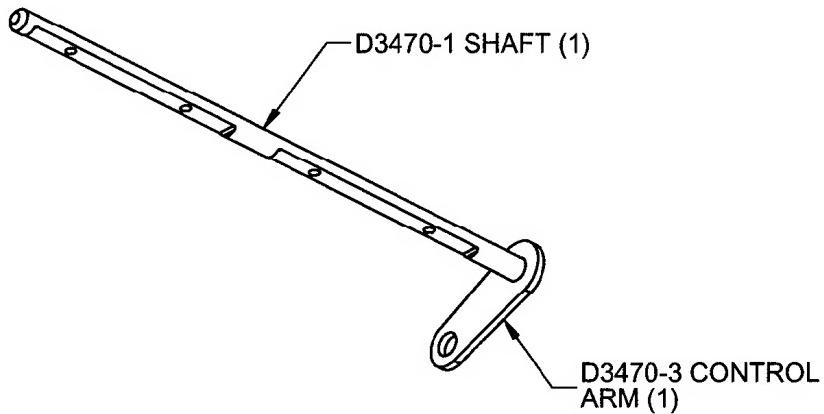


**DART**

DESIGN <i>B</i>	DRAWN BY <i>B</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
CHECKED <i>H</i>	APPROVED <i>H</i>	DRAWING NO. D3470	REV. A	SHEET 1 OF 4
DATE 05.12.14	TITLE SHUT-OFF VALVE SHAFT			SCALE 1:2
A	05.12.14	NEW ISSUE		

**D3470-041 SHUT-OFF VALVE SHAFT**

06.04.03 *H*

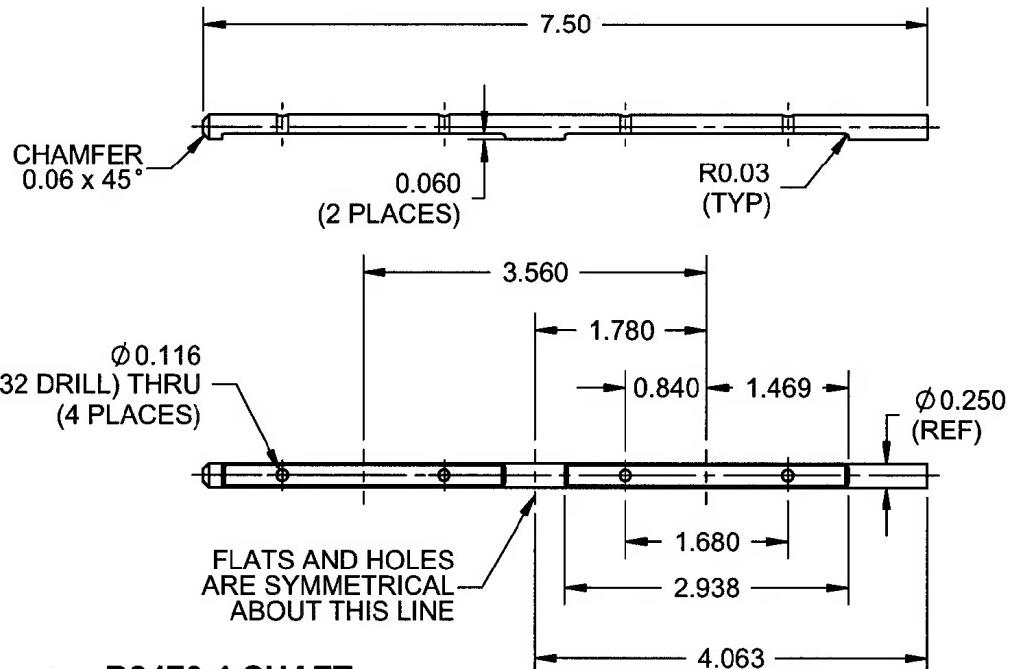
**NOTES:**

- 1) WELD PER DART QSI 004
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

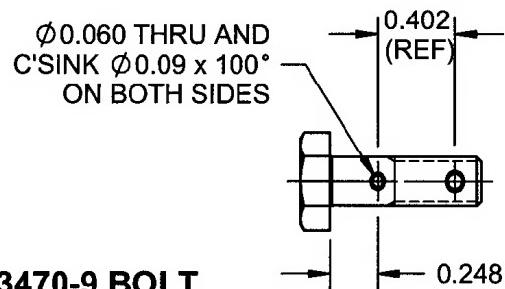
QTY -041	P/N	DESCRIPTION
X	D3470-041	SHUT-OFF VALVE SHAFT
1	D3470-1	SHAFT
1	D3470-3	CONTROL ARM

**DART**

DESIGN <i>BS</i>	DRAWN BY <i>BS</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>H</i>	APPROVED <i>H</i>	DRAWING NO. D3470	REV. A SHEET 2 OF 4
DATE 05.12.14		TITLE SHUT-OFF VALVE SHAFT	SCALE 1:2

**D3470-1 SHAFT**

- 1) MATERIAL: AISI 303 STAINLESS STEEL 0.25 ROUND BAR  
(REF. DART SPEC. M303R0.250)

**D3470-9 BOLT**

SCALE 1:1

- 1) MAKE FROM AN4-6 BOLT

06-04-03  
*[Signature]*

**NOTES:**

- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

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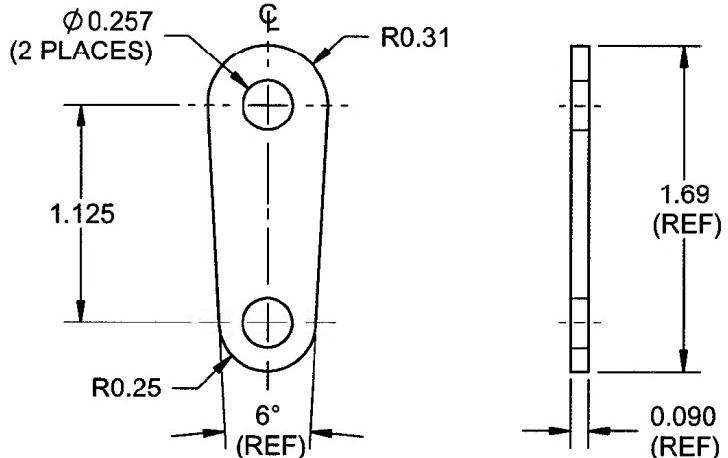
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**DART**

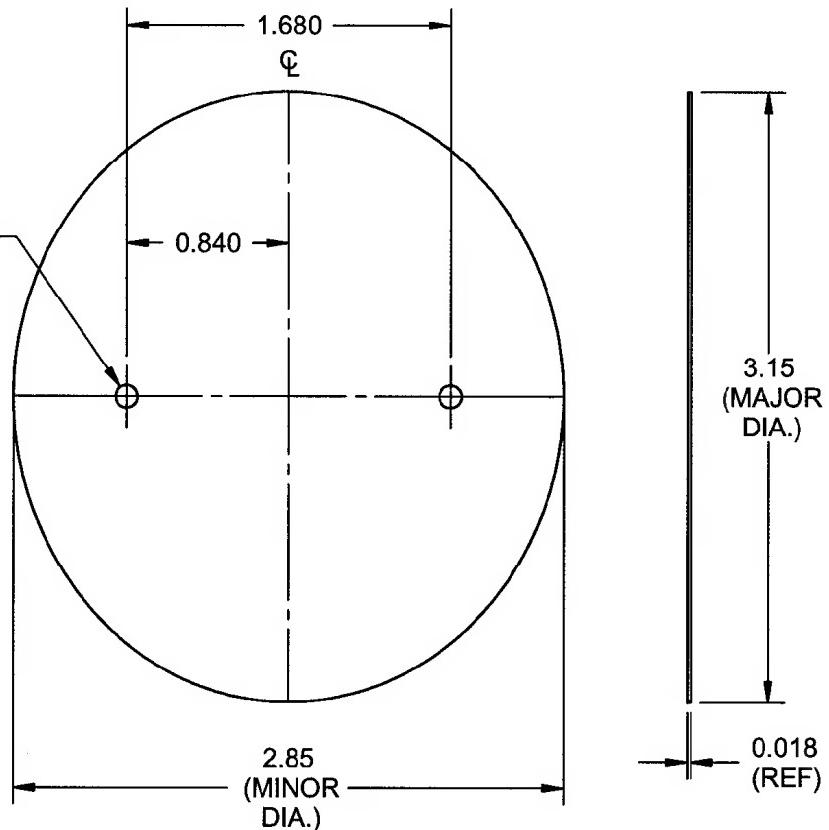
DESIGN <i>[Signature]</i>	DRAWN BY <i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3470	REV. A SHEET 3 OF 4
DATE 05.12.14	TITLE SHUT-OFF VALVE SHAFT	SCALE 1:1	

*06.04.03 [Signature]***D3470-3 CONTROL ARM**

- 1) MATERIAL: AISI 304/316 SS SHEET PER  
MIL-S-5019 (ANNEALED) 2B  
FINISH 13 GAUGE SS  
(0.090 THICK)  
(REF. DART SPEC. M304S13GA)

**D3470-5 BUTTERFLY VALVE**

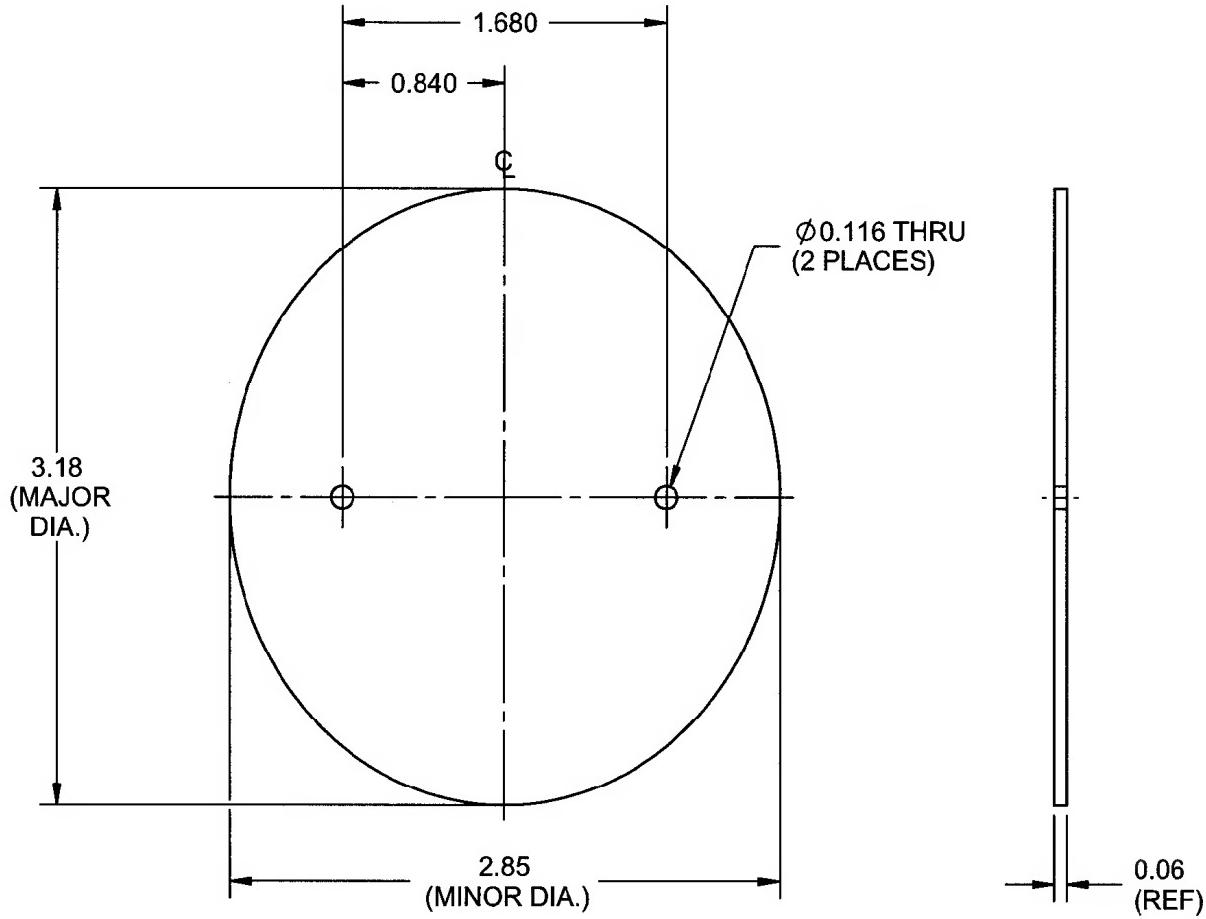
- 1) MATERIAL: AISI 304/316 SS  
SHEET PER  
MIL-S-5019  
(ANNEALED) 2B  
FINISH 26 GAUGE  
SS (0.018 THICK)  
(REF. DART SPEC.  
M304S26GA)

**NOTES:**

- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

**DART**

DESIGN <i>B</i>	DRAWN BY <i>B</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>H</i>	APPROVED <i>H</i>	DRAWING NO. D3470	REV. A SHEET 4 OF 4
DATE 05.12.14	TITLE SHUT-OFF VALVE SHAFT	SCALE 1:1	

**D3470-7 BUTTERFLY VALVE SEAL****NOTES:**

- 1) MATERIAL: RED (OR GRAY) 60 DUROMETER HI-TEMPERATURE SILICONE SHEET, 0.063 THICK (REF. DART SPEC. M-SIL60-S.063)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

06.04.03 *[Signature]*